

FORM PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.: WNET-00300

Serial No.: 09/158,764

INFORMATION DISCLOSURE STATEMENT BY APPLICANT  
(Use Several Sheets If Necessary)

(37 CFR § 1.98(b))

Applicant: Moshe Nattiv *et al.*

Filing Date: Sept. 23, 1998

Group Art Unit: 2064

## U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
16	AA	3,564,144	2/16/71	Diggelmann	179	15	8/14/67
	AB	3,988,545	10/26/76	Kuemmerle <i>et al.</i>	179	15 BV	4/23/75
	AC	4,731,785	3/15/88	Ferenc <i>et al.</i>	370	60	6/20/86
	AD	4,876,742	10/24/89	Vacon <i>et al.</i>	455	66	3/23/87
	AE	4,893,340	1/9/90	Lubarsky <i>et al.</i>	380	50	10/5/88
	AF	5,050,166	9/17/91	Cantoni <i>et al.</i>	370	94.1	4/28/89
	AG	5,119,226	6/2/92	Allen <i>et al.</i>	359	172	3/30/89
	AH	5,159,592	10/27/92	Perkins	370	85.7	10/29/90
	AI	5,220,678	1/15/93	Feei	455	69	8/12/91
	AJ	5,276,703	1/4/94	Budin <i>et al.</i>	375	1	1/13/92
	AK	5,307,348	3/26/94	Buchholz <i>et al.</i>	370	85.2	11/5/90
	AL	5,436,902	7/25/95	McNamara <i>et al.</i>	370	85.3	4/5/94
	AM	5,442,633	8/15/95	Perkins <i>et al.</i>	370	94.1	7/8/92
	AN	5,475,681	12/12/95	White <i>et al.</i>	370	60	1/31/94
	AO	5,519,691	5/21/96	Darcie <i>et al.</i>	370	18	6/3/94
	AP	5,563,728	10/8/96	Allen <i>et al.</i>	359	172	2/22/91
105	AQ	5,563,889	10/8/96	Gard <i>et al.</i>	370	95.1	4/6/95

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
14	AR	2 306 278 A	4/30/97	Unitd Kingdom	H04L	1/00	X	
	AS	WO 94/27382	11/24/94	PCT	H04B	7/216	Y	

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

15	AT	"Design of A Selective FEC Subsystem to Counteract Rain Fading in Ku-Band TDMA Systems," G. McMillen, B. Mazur and T. Abdel-Nabi, International Journal of Satellite Communications, Vol. 4, pp. 75-82, 1986					
	AU	"Frequency Diversity and Its Applications," F. Carassa, G. Tartara and E. Matricciani, International Journal of Satellite Communications, Vol. 6, pp. 313-322, 1988					
	AV	"Up-Link Power Control of Satellite Earth-Stations As A Fade Countermeasure of 20/30 GHz Communications Systems," J. Hörle, International Journal of Satellite Communications, Vol. 6, pp. 323-330, 1988					
	AW	"A Technique for Estimating the Throughput of Adaptive TDMA Fade Countermeasure Systems," S. Barton and S. Dinwiddy, International Journal of Satellite Communications, Vol. 6, pp. 331-341, 1988					
	AX	"Fade Countermeasures At K <sub>a</sub> Band for Olympus," M. Willis and B. Evans, International Journal of Satellite Communications, Vol. 6, pp. 301-311, 1988					
16	AY	"A Unified Statistical Rain-Attenuation Model for Communication Link Fade Predictions and Stochastic Fade Control Design Using A Location-Dependent Rain-Statistics Database," Robert Manning, International Journal of Satellite Communications, Vol. 8, pp. 11-30, 1990					
	AZ						

Examiner:

William Luttrell

Date Considered:

3/18/03

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: WNET-00300		Serial No.: 09/158,764	
<p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use Several Sheets If Necessary)</p> <p>(37 CFR § 1.98(b))</p>				Applicant: Moshe Nattiv <i>et al.</i>			
				Filing Date: Sept. 23, 1998		Group Art Unit: 7664	
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)							
BA	"Adaptive Modulation As A Fade Countermeasure. An Olympus Experiment," M. Filip and E. Vilar, International Journal of Satellite Communications, Vol. 8, pp. 31-41, 1990						
BB	Radiowave Propagation in Satellite Communications, Louis J. Ippolito, Jr., Van Nostrand Reinhold Company 1986, pp. 42-57 and 64-92						
BC	Digital Communications, John G. Proakis, Mc Graw-Hill, Third Edition, 1990, pp. 278-285						
BD	CDMA Principles of Spread Spectrum Communication, Andrew J. Viterbi, Addison-Wesley Wireless Communications Series, 1995, pp. 155-168						
BE	Information on Giganet Ltd., the Microwave Fiber™ company, displayed at www.giganet-corp.com, April 21, 1998						
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Examiner: William Luther				Date Considered: 3/18/03			
<p><b>EXAMINER:</b> Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

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(37 CFR § 1.98(b))

Applicant: Moshe Nattiv *et al.*

Filing Date: Sept. 23, 1998

Group Art Unit: 2731

## U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
48	AA	5,754,945	05/19/98	Lin <i>et al.</i>	455	33.2	01/18/96
	AB	5,657,371	08/12/97	Mahany <i>et al.</i>	370	338	07/22/94
	AC	5,648,969	07/15/97	Easternak <i>et al.</i>	370	349	02/13/95
	AD	5,636,213	06/03/97	Eastmond <i>et al.</i>	370	278	12/28/94
48	AE	5,313,461	05/17/94	Ahl <i>et al.</i>	370	94.2	06/08/92
	AF	5,303,303	04/12/94	White	380	49	02/08/93
48	AG	4,975,906	12/04/90	Takiyasu <i>et al.</i>	370	85.130	02/09/89
	AH						
	AI						
	AJ						

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
48	AK	GB 2316583 A	02/25/98	UK	H04L	29/06	X	
48	AL	WO 98/10541A1	03/12/98	PCT	H04J	3/16	X	
	AM							
	AN							
	AO							

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

48	AP	Goldberg, Lee, "100Base-T4 Transceiver Simplifies Adapter, Repeater, and Switch Designs," Electronic Design, vol. 43, no. 6, March 1995, USA.					
	AQ						
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Examiner:

William Luther

Date Considered:

3/18/03

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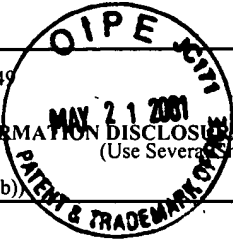
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Applicant: Moshe Nattiv *et al.*

Filing Date: Sept. 23, 1998

Group Art Unit: 2737 **2664**

(37 CFR § 1.98(b))



U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
<b>26</b>	AA	5,953,319	09/14/99	Dutta et al.	370	238	09/29/95
	AB						
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FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
	AK							
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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

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